MISSION STATEMENT

To develop highly qualified leaders for the Bulgarian Navy and the maritime industry; to prepare them for the challenges of the transforming Navy and the rapidly changing sector of the global maritime economy.
MAIN OBJECTIVES

✓ Higher military and civilian education for the future naval officers
✓ Bachelor’s, Master’s and PhD degrees for the merchant marine
✓ Postgraduate training for military and maritime personnel
✓ Research and Development for the Bulgarian Navy and the maritime industry

OTHER OBJECTIVES

✓ Master degree for officers from the Naval Department of National Defense Academy
✓ Technical training and qualification enhancement of the NCOs and sailors
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1881</td>
<td>First technical school in Bulgaria</td>
</tr>
<tr>
<td>1893</td>
<td>Beginning of line officer / deck officer education and training</td>
</tr>
<tr>
<td>1901</td>
<td>Qualification courses for senior naval officers</td>
</tr>
<tr>
<td>1906</td>
<td>First diplomas of higher education</td>
</tr>
<tr>
<td>1953</td>
<td>First foreign cadets funded by their respective MoDs</td>
</tr>
<tr>
<td>1956</td>
<td>First Master’s Degree Engineering program</td>
</tr>
<tr>
<td>1960</td>
<td>International recognition of the Academy’s diploma by IMO</td>
</tr>
<tr>
<td>1995</td>
<td>Maritime university approved under the STCW 78/95 Convention</td>
</tr>
<tr>
<td>1998</td>
<td>First program accreditation of core specialties</td>
</tr>
<tr>
<td>2000</td>
<td>Co-founder of the International Association of Maritime Universities</td>
</tr>
<tr>
<td>2000</td>
<td>First ISO Quality Certificate</td>
</tr>
<tr>
<td>2001</td>
<td>First Institutional Accreditation</td>
</tr>
<tr>
<td>2003</td>
<td>Receiving ISO Quality Certificate</td>
</tr>
<tr>
<td>2009</td>
<td>Receiving ISO Quality Certificate</td>
</tr>
<tr>
<td>2010</td>
<td>Member of the executive board of IAMU</td>
</tr>
<tr>
<td>2011</td>
<td>Founder of BSAMI</td>
</tr>
<tr>
<td>2012</td>
<td>Vice-president of BSAMI</td>
</tr>
<tr>
<td>2014</td>
<td>Audit by EMSA</td>
</tr>
<tr>
<td>2015</td>
<td>Recognition by Japanese Ministry of Land, Infrastructure, Transport and Tourism</td>
</tr>
</tbody>
</table>
TRADITIONS

Founders of the Academy

- Institution for training in the maritime way of life
- Integrated training of officers both for the Navy and the Merchant Marine in a military environment
- Theory and practice in close integration
- National Center of maritime education and science
- Strict adherence to the international standards for training of maritime personnel

Patron of the Academy

Nikola Vaptsarov

Alumni Association of the Naval Academy

Major-general Konstantin Kirkov

Lieutenant Kuzminski

Admiral Rozhdestvenski
ACCREDITATIONS

Syllabus accreditation - 1998

Institutional accreditation - 2001

Syllabus accreditation - 2004

Syllabus accreditation - 2006
Transport, Navigation, and Aviation vocational domain

Institutional accreditation – 2006

Syllabus accreditation - 2009

Military Science vocational domain

Syllabus accreditation - 2007

STCW 78/95 model courses, MARPOL, SOLAS, and other conventions

Institutional accreditation - 2012

Syllabus accreditation - 2012

Syllabus accreditation - 2013

DEFENSE AND ARMED FORCES ACT

HIGHER EDUCATION ACT

STANAG publications
Allied publications
Other NATO requirements

NATO

IMO

STCW 78/95 model courses,
MARPOL, SOLAS, and other conventions

AUDIT BY EMSA
# Academic Staff

<table>
<thead>
<tr>
<th>Sections</th>
<th>Full Professors</th>
<th>Associate Professors</th>
<th>Other PhD holders</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Navigation Faculty</td>
<td>7</td>
<td>16</td>
<td>10</td>
<td>64</td>
</tr>
<tr>
<td>Engineering Faculty</td>
<td>4</td>
<td>20</td>
<td>13</td>
<td>51</td>
</tr>
<tr>
<td>Postgraduate Training Department</td>
<td>-</td>
<td>-</td>
<td>2</td>
<td>14</td>
</tr>
<tr>
<td><strong>Total Academic Staff</strong></td>
<td><strong>11</strong></td>
<td><strong>36</strong></td>
<td><strong>25</strong></td>
<td><strong>108 + 19 + 2</strong></td>
</tr>
</tbody>
</table>

**Percentage Breakdown:**
- Professors: 10%
- Associate Professors: 35%
- Other PhD Holders: 23%
- Other: 32%
<table>
<thead>
<tr>
<th>Position</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master on ships of 3000 gross tonnage or more</td>
<td>9</td>
</tr>
<tr>
<td>Master on ships up to 500 gross tonnage</td>
<td>1</td>
</tr>
<tr>
<td>Chief Engineer Officers</td>
<td>1</td>
</tr>
<tr>
<td>Watchkeeping Officers</td>
<td>6</td>
</tr>
<tr>
<td>Second Engineer Officers</td>
<td>7</td>
</tr>
<tr>
<td>Ship’s Electrical Engineer Officers</td>
<td>2</td>
</tr>
<tr>
<td>GMDSS General Operators</td>
<td>20</td>
</tr>
<tr>
<td>First-class Radioelectronic</td>
<td>3</td>
</tr>
<tr>
<td>Second-class Radioelectronic</td>
<td>1</td>
</tr>
<tr>
<td>Maritime Security Trainers</td>
<td>5</td>
</tr>
<tr>
<td>Maritime Instructors</td>
<td>100%</td>
</tr>
</tbody>
</table>
ACADEMIC SUPPORT UNITS

- Naval Research Center
- English Resource Center
- CISCO Academy
- Ship Brokers Center
- Naval Training Center
- Career Development Center
- EIPC Center
- Information Center and Library
- Publishing Center
- Maritime Technology Transfer Center
TRAINING FACILITIES

- Auxiliary training ship 206
- Sea born Training base 421
- m/v Asen 422
- Sail training vessel “Kaliakra”
- Sail training vessel "Royal Helena"
- Boat base
- Summer camp
- Simulators
- Polygons
- Planetarium
TRAINING FACILITIES

- Lecture-halls and classrooms
- Library (125 208 volumes) with Informational computer center
- Sports Hall and swimming pool
- Computer training center with Internal computer net
- Psycho-physiological labs
- Computer labs
- Language labs
- Other labs
- English resource center (SAC)
- Publishing center
- Cinema and Conference hall
- Dormitories
- Dining facilities
- Museum
<table>
<thead>
<tr>
<th>Name</th>
<th>Skill practiced</th>
<th>Working places</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transas Marine NTPRO 5000</td>
<td>Full vessel control from a visualized navigation bridge</td>
<td>10</td>
</tr>
<tr>
<td>Transas GMDSS 5000</td>
<td>Using procedures for communication</td>
<td>8</td>
</tr>
<tr>
<td>Transas ERS 5000</td>
<td>All-round practice for ship engineers</td>
<td>8</td>
</tr>
<tr>
<td>Transas VTMS</td>
<td>Vessel Traffic Management Systems</td>
<td>7</td>
</tr>
<tr>
<td>NAUTIS FMB Class A</td>
<td>A Full Mission Bridge Simulator</td>
<td>8</td>
</tr>
<tr>
<td>VStep RescueSim</td>
<td>Incident Management Simulator</td>
<td>4</td>
</tr>
<tr>
<td>Firing Range</td>
<td>Firings</td>
<td>8</td>
</tr>
<tr>
<td>Naval Tactical Simulator</td>
<td>Tactical activities at sea</td>
<td>10</td>
</tr>
<tr>
<td>Dangerous waters</td>
<td>Tactical activities at sea</td>
<td>39</td>
</tr>
<tr>
<td>JCATS</td>
<td>Tactical activities at any environment</td>
<td>39</td>
</tr>
<tr>
<td>DIESELSIM Norcontrol</td>
<td>Control and diagnostics of ship diesel engines</td>
<td>5</td>
</tr>
<tr>
<td>Training center FESTO</td>
<td>Operating of hydraulic and pneumatic systems</td>
<td>18</td>
</tr>
<tr>
<td>ALFA LAVAL</td>
<td>Using ship separators</td>
<td>12</td>
</tr>
<tr>
<td>Technical centre SKF</td>
<td>Design and servicing of rolling bearings</td>
<td>12</td>
</tr>
<tr>
<td>Planetarium</td>
<td>Astronomical observations</td>
<td>122</td>
</tr>
</tbody>
</table>
TRAINING OF NAVAL OFFICERS (CADETS)

HIGHER EDUCATION with a BACHELOR degree

Duration of training: 5 years

MILITARY SPECIALTY:

• COMMAND AND CONTROL OF NAVAL TACTICAL UNITS – NAVIGATION
• COMMAND AND CONTROL OF NAVAL TACTICAL UNITS – MARINE ENGINEERING
• COMMAND AND CONTROL OF NAVAL TACTICAL UNITS – NAVAL COMMUNICATION AND RADIOTECHNICAL SYSTEMS

CIVILIAN SPECIALTY:

• NAVIGATION
• MARINE ENGINEERING
• INFORMATION AND COMMUNICATION TECHNOLOGIES IN MARINE INDUSTRY
EDUCATION OF STUDENTS FOR THE MERCHANT MARINE
BACHELOR’S DEGREE PROGRAMS

NAVIGATION FACULTY

• NAVIGATION
• INLAND WATER NAVIGATION
• INFORMATION AND COMMUNICATION TECHNOLOGIES IN MARINE INDUSTRY
• FLEET AND PORT MANAGEMENT
• WATER TRANSPORT MANAGEMENT
• SHIPPING

ENGINEERING FACULTY

• MARINE ENGINEERING
• SHIP ELECTRICAL ENGINEERING
• TECHNOLOGY OF SHIP REPAIR
• OCEAN ENGINEERING

Duration of training – 4 years
Academic hours – 2700-3000 (240 ECTS Credits)
EDUCATION OF MERCHANT MARINE STUDENTS

MASTER’S DEGREE PROGRAMS

NAVIGATION FACULTY
  • NAVIGATION
  • INFORMATION AND COMMUNICATION TECHNOLOGIES IN MARINE INDUSTRY
    • PORT MANAGEMENT

ENGINEERING FACULTY
  • MARINE ENGINEERING
  • SHIP ELECTRICAL ENGINEERING
    • SHIP REPAIR

TOGETHER WITH:

VARNA FREE UNIVERSITY
  • MARINE SAFETY AND SECURITY

ARTOIS UNIVERSITY, FRANCE
  • LOGISTICS

Duration of Training  1 / 3 years
Academic hours 900 / 2500 (60 / 120 ECTS Credits)
DOCTORAL DEGREE PROGRAMS

1. Ship Operation and Navigation
2. Operation of Water Transport, Seaports and River ports
3. Radiolocation and Radionavigation
4. Communications Systems and Networks
5. Ship Power Plants and Machinery
6. Technology and Organization of Shipbuilding and Ship Repairing
7. Ship Power Supply and Electrical Systems
8. Organization and Management of the Armed Forces
9. Military Psychology
10. Automated systems for information processing and management
11. Dynamics, strength and reliability of machines
12. Organization and management
13. Military and political aspects of security
POSTGRADUATE TRAINING

MERCHANT MARINERS

• Conventional certificate training
• Training for a higher degree of maritime qualification
• Bridge team/resource management courses
• Engine team/resource management courses
• Operation and maintenance Power Systems in excess of 1000 volts
• Licensed ship broker and agent training
• ECDIS training
• GMDSS operator training
• VTMS training
• Security officers training
• Safety officers training
• Ionizing radiation sources competence courses
POSTGRADUATE TRAINING
NAVAL OFFICERS

• Training for a new position (specialization)
• Training on the issues of interoperability with NATO
• Language training
• Computer training
• Courses for social adaptation of officers passing in reserve
NON COMMISSIONED OFFICERS COLLEGE

SPECIALIZATIONS

• Navigation
• Naval weapons system
• Operation and maintenance of ship power plants
• Operation and maintenance of ship radio, radar and communication devices

3 trimesters duration
2x13 weeks academic training
12 weeks of shipboard practice
RESEARCH AND DEVELOPMENT ACTIVITIES

STRATEGIC GOAL

To establish a centre of fundamental and applied science research in the area of naval science and marine technologies providing education and scientific support to the Navy and maritime industry

MAIN AREAS

- Marine technologies
- Naval science, weaponry and equipment
- Maritime safety and security
- Navigation
- Maritime education and qualification activities
- Green energy
INTERNATIONAL CONTACTS

MEMBERSHIP IN

• The International Association of Maritime Universities (IAMU)
• The International Maritime Lecturers Association (IMLA)
• The Consortium of Military Academies and Defense Studies Institutes
  • Black Sea Association of Maritime Institutes (BSAMI)
  • Cisco Networking Academy
  • Microsoft Academy
• Microsoft Dynamics Academy
CONTACTS WITH NAVAL ACADEMIES

France; Germany; Greece; Italy; Norway; Poland; Portugal; Romania; Spain; Turkey; USA
INTERNATIONAL CONTACTS

CONTACTS WITH MARITIME ACADEMIES AND UNIVERSITIES

Belgium; Georgia; Greece; Poland; Romania; Russia; Turkey; Ukraine; USA;
World Maritime University
<table>
<thead>
<tr>
<th>BUSINESS CONTACTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Bernhard Schulte, Germany</td>
</tr>
<tr>
<td>✓ CMA CGM Group</td>
</tr>
<tr>
<td>✓ Cosmos Shipping</td>
</tr>
<tr>
<td>✓ EURONAV, France</td>
</tr>
<tr>
<td>✓ Keppel Fels Baltech Ltd, Singapore</td>
</tr>
<tr>
<td>✓ K-Line, Japan</td>
</tr>
<tr>
<td>✓ Kuwait Oil Tanker Company</td>
</tr>
<tr>
<td>✓ Marine Consult, Germany</td>
</tr>
<tr>
<td>✓ Multraship Towage &amp; Salvage, The Netherlands</td>
</tr>
<tr>
<td>✓ Navigation Maritime Bulgare</td>
</tr>
<tr>
<td>✓ Premiere Group Ltd, Norway</td>
</tr>
<tr>
<td>✓ Promar Ltd, Germany</td>
</tr>
<tr>
<td>✓ Rhenus Maritime Ltd</td>
</tr>
<tr>
<td>✓ Royal Caribbean International</td>
</tr>
<tr>
<td>✓ Stamco Ship Management Co Ltd, Greece</td>
</tr>
<tr>
<td>✓ Thenamaris, Greece</td>
</tr>
<tr>
<td>✓ TRANZAS Group, UK</td>
</tr>
<tr>
<td>✓ Union Shipping and Trade Co Ltd, Greece</td>
</tr>
<tr>
<td>✓ Valiant Shipping S.A.</td>
</tr>
<tr>
<td>✓ W J Parnis England Ltd</td>
</tr>
<tr>
<td>✓ ZIM Integrated Shipping Ltd, Israel</td>
</tr>
<tr>
<td>✓ Zodiac Maritime Ltd, UK</td>
</tr>
</tbody>
</table>
NIKOLA VAPTSAROV
NAVAL ACADEMY
VARNA